

WHAT IS CLAIMED IS:

1                   1.       A method for quantifying an impact of wasteful operations in a  
2 database, the method comprising:  
3                   receiving one or more operations that are determined to be wasteful in the  
4 database;  
5                   detecting when wasteful operations are being performed;  
6                   recording a time value that is spent on the wasteful operation; and  
7                   storing the time value, wherein the time value is used to quantify the impact of  
8 a performance problem in the database.

1                   2.       The method of claim 1, wherein the time value measures time spent  
2 processing the operation in the database.

1                   3.       The method of claim 1, wherein the time value is used to determine an  
2 impact on the database.

1                   4.       The method of claim 1, wherein the stored time value is associated  
2 with the operation performed.

1                   5.       The method of claim 1, wherein storing the time value comprises  
2 adding the time value to an accumulated time value for the operation.

1                   6.       The method of claim 5, wherein storing the time value comprises  
2 adding the time value to a related operation to the wasteful operation, the related operation  
3 being an operation that includes the wasteful operation and another wasteful operation.

1                   7.       The method of claim 1, further comprising analyzing the performance  
2 problem using the stored time value.

1                   8.       A method for quantifying wasteful operations in a database, the  
2 method comprising:  
3                   receiving a plurality of operations that are determined to be wasteful in the  
4 database;  
5                   detecting when wasteful operations are being performed;

6 recording a plurality of time values for time spent on performing the wasteful  
7 operation; and  
8 storing the plurality of time values, wherein time values are associated with a  
9 wasteful operation that the time values were recorded for, wherein the time values are used to  
10 quantify a performance problem in the database.

1 9. The method of claim 8, wherein the impact of the wasteful operation is  
2 known before the performance problem is fixed.

1 10. The method of claim 8, wherein quantifying the impact comprising  
2 recording a time value for the wasteful operation.

1 11. The method of claim 10, wherein the time value measures the amount  
2 of time the operation is processed in the database.

1 12. The method of claim 8, further comprising determining one or more  
2 rules that are used to determine when a wasteful operation is being performed.

1 13. A method for quantifying an impact of wasteful operations in a  
2 database, the method comprising:  
3 determining one or more operations that are determined to be wasteful in the  
4 database;  
5 determining when to monitor the one or more operations, wherein the one or  
6 more operations are monitored when the one or more operations are being processed in the  
7 database;  
8 detecting when wasteful operations are being performed;  
9 quantifying an impact of the wasteful operation; and  
10 storing a value that quantifies the impact of the wasteful operation for a  
11 performance problem in the database.

1 14. A computer program product stored on a computer-readable medium  
2 for quantifying an impact of wasteful operations in a database, the computer program product  
3 comprising:

4 code for receiving one or more operations that are determined to be wasteful  
5 in the database;  
6 code for detecting when wasteful operations are being performed;  
7 code for recording a time value that is spent on the wasteful operation; and  
8 code for storing the time value, wherein the time value is used to quantify the  
9 impact of a performance problem in the database.

1 15. The computer program product of claim 14, wherein the time value  
2 measures time spent processing the operation in the database.

1 16. The computer program product of claim 14, wherein the time value is  
2 used to determine an impact on the database.

1 17. The computer program product of claim 14, further comprising code  
2 for analyzing the performance problem using the stored time value.

1 18. A computer program product stored on a computer-readable medium  
2 for quantifying wasteful operations in a database, the computer program product comprising:  
3 code for receiving a plurality of operations that are determined to be wasteful  
4 in the database;  
5 code for detecting when wasteful operations are being performed;  
6 code for recording a plurality of time values for time spent on performing the  
7 wasteful operation; and  
8 code for storing the plurality of time values, wherein time values are  
9 associated with a wasteful operation that the time values were recorded for, wherein the time  
10 values are used to quantify a performance problem in the database.

1 19. The computer program product of claim 18, wherein the impact of the  
2 wasteful operation is known before the performance problem is fixed.

1 20. The computer program product of claim 18, wherein quantifying the  
2 impact comprising recording a time value for the wasteful operation.

1                   21.     The computer program product of claim 20, wherein the time value  
2     measures the amount of time the operation is processed in the database.